

# TECHNICIAN'S CHECKLIST

## SECTION 501

### LIME TREATED SOIL

PROJECT: \_\_\_\_\_

TECHNICIAN: \_\_\_\_\_

REVIEW DATE: \_\_\_\_\_

REVIEWER: \_\_\_\_\_

ACTION	YES	NO	N/A	COMMENTS
Field inspection of lime-soil construction involves the control of five factors: lime content, moisture content, mixing, including depths, compaction, and curing. The Technician can easily monitor the control of these factors by organizing the inspection steps into a routine that follows the sequence of construction operations.				
Have soil surveys, laboratory reports, plans, and specifications been reviewed and correlated with job conditions?				
Have all soft subgrade areas been corrected? Has the roadway been shaped to crown and grade?				
Have manhole covers and other obstacles been removed or lowered?				
Is the Contractor aware that a period of 24 days between sampling and testing for final design of the lime stabilization is required?				
Are weather conditions suitable for lime-soil construction?				
Have the soil materials been pulverized sufficiently and will their moisture contents allow them to mix readily with lime?				
Has the proper quantity of lime been spread uniformly?				
Is the soil-lime mixture between optimum moisture and 3% above optimum moisture at time of primary mixing?				
Is the mixture uniform and thoroughly mixed?				
Is the finished surface moist, dense and free of compaction planes?				
Is the soil-lime mixture at the transverse construction joint well mixed and compacted?				
Is the soil-lime mixture between optimum moisture and 2% above optimum moisture during compaction operations?				
Are the specified density and depth of treatment being achieved?				
Is sufficient curing material for complete coverage being applied? Where subjected to traffic, has the bituminous material been sanded sufficiently to prevent pickup?				
Is the curing period complete?				
Is one of the approved curing seals being used and is the curing period complete?				
Have all defects been repaired for the full depth of treatment?				